

## ABSTRACT

A water-cooled vertical engine includes a cylinder block cooling water jacket formed in a cylinder block and a cylinder head cooling water jacket formed in a cylinder head, the jackets being substantially independent. Cooling water from a cooling water pump is supplied to the cylinder block cooling water jacket via through holes, and cooling water branching just before the cylinder block cooling water jacket is supplied to the cylinder head cooling water jacket via a pair of cooling water passages through gasket faces of the cylinder block and the cylinder head.